



AlcoSense[®]

PRODIGY

USER MANUAL



INTRODUCTION

Thank you for purchasing an AlcoSense® Prodigy.

The AlcoSense® Prodigy is a state of the art instrument used to detect ethyl alcohol from a valid breath sample.

It uses an electrochemical fuel cell to measure the concentration of alcohol in the breath sample expelled from a human subject. If alcohol is present, a corresponding voltage is generated from the fuel cell, which is proportional to the alcohol content of the sample provided by the human subject. This voltage is then sent to the CPU and converted to the subject's BAC (blood alcohol concentration) which is then displayed.

PREPARATION

Gently pull down the battery compartment cover to remove it. Insert fresh alkaline batteries (4 x AA), checking that the + and - on each battery are aligned according to the polarity diagram inside.

Carefully replace the battery compartment cover.

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DEVICE FEATURES

DIAGRAM EXPLANATION

- ① Disposable mouthpiece
- ② Button to remove mouthpiece
- ③ Touch screen display
- ④ On/Off button
- ⑤ External power connectors
- ⑥ Stylus pen
- ⑦ Function button



OPERATING INSTRUCTIONS

PASSIVE TEST

Attach a sampling cup to the sample port and select the  icon.

When the screen displays "Please Blow", take a deep breath and blow towards the sampling cup until the BEEP tone stops.

"Alcohol Detected" or "No Alcohol" displays on the screen.

Alternatively, a passive test can be performed by selecting "Passive" whilst the user is blowing.

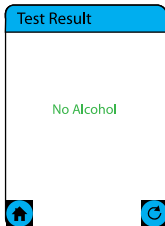
Select  to start another test.

If the screen shows "Alcohol Present", use a mouthpiece to perform a standard test so that an accurate BAC reading can be obtained.

NOTE: A "Passive Test" is only used for screening; it checks for the presence of alcohol in a breath sample. An accurate test result can only be obtained through use of a "Standard Test" with a mouthpiece.

NOTE: Test records of the passive tests cannot be printed or stored.

The optimum temperature range for operating the unit is -10°C -50°C . Use within this temperature range will limit condensation from the subject's breath and ensure an accurate reading is taken. It is recommended that the operator observes the subject for approximately 20 minutes before administering the breath test. This is to ensure the subject does not consume anything. Following this procedure will ensure the subject's saliva is clear of alcohol so it does not alter the outcome of the breath sample test.



SPECIFIC TEST WITH INPUT

Attach a mouthpiece to the sample port and select the  icon. Using the stylus pen, input information **1** (See page 6).

Note: 16 characters maximum for each input.

Use  or  to move to the next or previous field.

If “Keyboard” is not activated, the unit will move directly to test mode **2**. (See page 9 on how to enable/disable keyboard).

When the screen displays “Please Blow”, take a deep breath and blow into the mouthpiece with a slow and steady breath. Blow until the progress bar reaches 0%. A click will be heard indicating a sample has been taken.

The test result will display **3**.

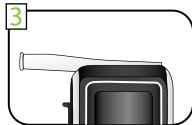
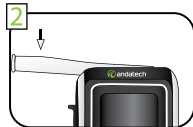
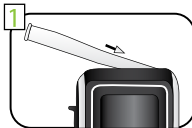
Select  to start another test.

If the subject does not blow into the unit within 30 seconds, the operator can either select “Refuse” to confirm the subject refused to do the test; or can select “Test Again” to allow the subject to redo the test.

If the subject cannot blow sufficiently to take the test, while the subject is blowing, press the 'Passive' button to manually take a breath sample.

ATTACHING A MOUTHPIECE

- Tear the perforated section from the wrapper of a new mouthpiece.
- Pull back the wrapper to expose half the mouthpiece.
- Ensuring the two small holes in the bottom of the mouthpiece are aligned with the sensor, insert the notched end of the mouthpiece into the slot on the right of the screen.
- Lower the other end of the mouthpiece until it snaps into place.
- Discard remaining wrapper from mouthpiece.



1 Driver Name

|

Q	W	E	R	T	Y	U	I	O	P
A	S	D	F	G	H	J	K	<--	
Z	X	C	V	B	N	M	L	abc	
1	2	3	4	5	6	7	8	9	0

← Home →

2 Please Blow

100%

Passive

Home

3 Test Result

Test Result

0.000%

Home Brick Refresh

TEST RECORDS

TEST RECORDS

Up to 10,000 test records can be stored, depending on the length of the records.

Use  or  to move to the next or previous record.

Press the On/Off button to move 10 records forward, and press the Function button to move 10 records backward.

Press the On/Off button and Function buttons together to jump to the record needed.

First: Jump to first Record

End: Jump to end Record

0 00 00: Jump to a specific record, e.g. 0 01 00 means jump to record 100; 0 92 00 means jump to record 09200.

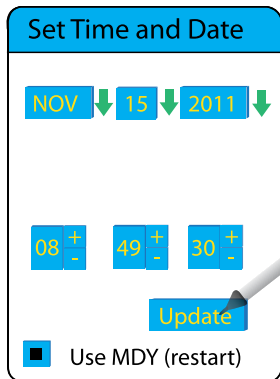
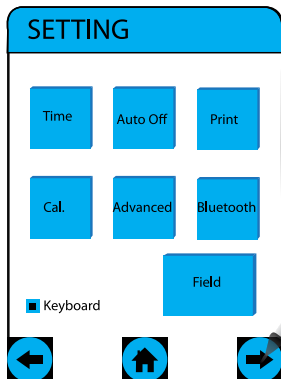
In order to download your data to a PC you must have the Prodigy PC software, available from www.alcosense.com.au

RECORD

Record No.	00089
Date	Jul 27, 2011
Test Mode	Passive
Test Result	0.000%
Driver Name	

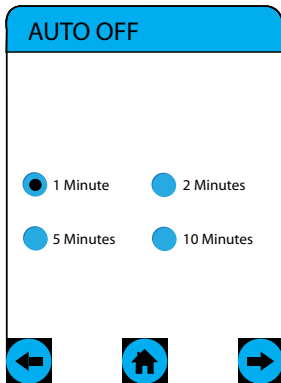


SETTINGS



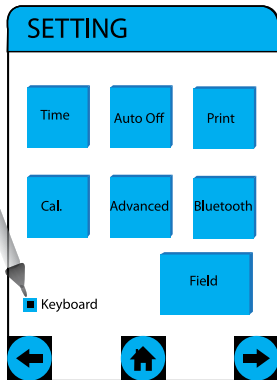
DATE & TIME

Set correct Date and Time.
Select "Update" to confirm.



AUTO OFF

Select time limit to turn off the device automatically. Select  to confirm.



KEYBOARD

Selecting this option enables the keyboard allowing user data to be entered and saved with each specific test.

FIELD

☒	Driver Name	☐
☒	Vehicle Number	☐
☒	Licence Number	☐
☐	Police Name	☐
☐	Badge Number	☐
☐	Department	☐
☐	Field	☐
☐	Field	☐
☐	Signature	☐
☐	Field	☐

FIELD

Use the tick boxes on the left to enable the data you wish to collect. Clicking a label allows editing of field label.

Print

Number

1

+

-

a

☒ Auto Print

b

PRINT

If your unit was supplied with a printer, use this section to set the number of copies printed (a) and if you want all readings to print automatically select (b)

CONDITIONS FOR TESTING

MEASUREMENTS & CONDITIONS FOR TEST

Use a clean mouthpiece for each test.

Do not allow samples containing smoke, tobacco or other chemical products to enter the unit, as damage to the fuel cell can occur.

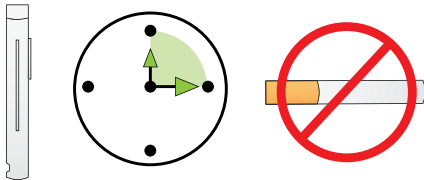
There must be an interval of at least 15 minutes after alcohol consumption as alcohol residue in the mouth may give a false reading. Such residue may also be left by aromatic drinks, mouthwash, medicines and drops, as well as by belching and vomiting. Rinsing your mouth with water or non-alcoholic drinks does not substitute for an interval.

A person's blood alcohol concentration (BAC) can continue to rise for up to 2 hours after drinking alcohol. If a caution results or a result is close to the designated BAC, it is recommended to wait and retest after 20 minutes.

It can take 10 hours or more for a person's BAC to return to zero after a high BAC has been reached. A further test should be carried out later in the day or the following morning.

Working temperature range of AlcoSense® Prodigy: 5°C to 40°C

Storage temperature range of AlcoSense® Prodigy: -15°C to 65°C



LIABILITY FOR PROPER FUNCTION OR DAMAGE

The liability for proper functioning of the instrument is irrevocably transferred to the owner or operator in the event the instrument is serviced or repaired by personnel not employed or authorised by Andatech. In such an event, the warranty will be void.

PRINTER

Ensure that the serial number on the printer matches the serial number on the breathalyser.

Press the ON/OFF button on the printer to switch it on, the indication light will begin flashing.

VERIFY CONNECTION

When the printer is successfully connected to the Prodigy, the indication light on the printer will flash slowly and a Bluetooth icon will appear on the Prodigy screen.

If the indication light on the printer is flashing quickly, the printer has not been connected correctly or the Prodigy has not been switched on.

PRINTING

Records can be printed from the Test Result screen and Test Record screen for specific test only. Passive test results cannot be printed out.

To turn off the printer, press and hold the ON/OFF button on the printer for 3 seconds.



TROUBLESHOOTING

FIELDS

Fields selected under Field settings will be printed on the receipt. Data entered at time of test will print on receipt.

BATTERY LIFE

High Capacity Lithium rechargeable batteries can print around 30 meters of paper.

BATTERY CHARGER

Use only the supplied charger to charge the printer battery.

Caution: Use only the Lithium battery provided.

STANDARD THERMAL PAPER SIZE

6cm X 1000cm

A wireless thermal printer can be used with the device.

INSERT / REPLACE PAPER

Pull the handle. When inserting a new roll of paper, make sure glossy side of paper is kept close to indentation.

NOTE: If nothing can be printed, change the side of the paper and try again.

'CALIBRATION NEEDED' WARNING

When the unit starts up and shows the "Calibration Needed" warning and alarm, it means that the unit has passed its calibration due date. You can touch the screen to continue using the unit, however we strongly recommend that you send this back to us for calibration.

BATTERY LIFE TOO SHORT

Use only alkaline batteries, or if using rechargeable batteries, use either NiMH or rechargeable alkaline batteries.

TOUCH SCREEN NOT RESPONDING

If the touch screen is not sensitive enough, please calibrate the screen. Press and hold the On/Off button (right button) and then press the Function button (left button) immediately. Follow the on-screen instructions to calibrate the touchscreen.

DISCLAIMERS

This product must be used strictly in accordance with the instructions in this manual.

This product is intended to provide the user with an indication of alcohol on the breath. However, neither the manufacturer nor the supplier gives any warranty (express or implied) that the product can give any indication of blood alcohol level.

A person's BAC (Blood Alcohol Concentration) can only be accurately measured by the administration of a blood test. This product only measures breath alcohol content which, in turn, only gives an approximate indication of blood alcohol concentration.

In these circumstances the user of this product should not rely on the information provided thereby as an accurate indication of their blood alcohol concentration or of their level of intoxication or of their fitness to drive and in particular should not take any action in reliance on such information as the product can provide no more than an indication of alcohol on the breath.

If the user of this product makes any decision or takes any action based on the use of the product such decision or such action shall be at the sole risk of the user and neither the

manufacturer nor the supplier assumes any responsibility for such decision or action.

In particular, neither the manufacturer nor the supplier shall be in any way liable if the user of the product asserts that the product led them to believe they were fit to operate a motor vehicle and are subsequently found not to be so fit.

If the subject fails to give a valid breath sample, the operator can either select "Discontinue" to confirm; or can select "Test Again" to allow the subject to redo the test again. A passive test can be performed by selecting "Passive" whilst the user is blowing. Slide up the button underneath the mouthpiece to remove the mouthpiece.

THINGS TO REMEMBER

- Always wait a minimum of 15 minutes after your last drink before testing.
- NEVER take a sip of alcohol and blow immediately into the device.
- Ignoring these two points WILL cause damage to the unit that is NOT covered by warranty.

WARRANTY DETAILS

It is our aim to provide you with quality products that you can trust. Our products come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or a refund for a major failure and for compensation for any other reasonably foreseeable loss or damage.

You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The Guarantee

The product is guaranteed to be free from defects in workmanship and parts for a period of 1 year from the date of purchase. Defects that occur within this warranty period, under normal use and care, will be repaired, replaced or refunded at our discretion, solely at our option with no charge for parts and labour. The benefits conferred by this warranty are in addition to all rights and remedies in respect of the product that the consumer has under the Trade Practices Act and similar state laws.

Proof of Purchase

This warranty is valid for the original purchase and is not transferable. Please keep your purchase docket or receipt as proof of purchase and as proof of date on which the purchase was made. The purchase docket (or a copy) or receipt must be presented with the warranty when making a claim under this warranty.

Service during the Warranty Period

To claim for warranty, contact us on 1300 800 200 or info@andatech.com.au to get an RA# (Return Authorisation Number). Ensure that the RA# is clearly stated on the outside of the packaging and that the product is properly packaged so that no damage occurs to the product during transit. Shipping of the product back to us for warranty will be at your cost. A product return without the RA# or proof of purchase will not be accepted.

Extent of Warranty

This warranty is limited to defects in workmanship or parts. All defective products or parts will be repaired or replaced. This warranty does not cover manuals and packaging.

Normal Wear and Tear

This warranty does not cover normal wear and tear to the product or parts.

Exclusions

This warranty does not cover:

- Calibration costs.
- Any defect caused by an accident, misuse, abuse, improper operation, lack of reasonable care, unauthorised modification, loss of parts, tampering or attempted repair by a person not authorised by the distributor.
- Any product that has been damaged by a lightning strike either directly or indirectly or a main power surge or liquid ingress.
- The product if it is located outside of Australia.
- Any damage caused by improper power input or improper cable connection.



WARRANTY

The manufacturer warrants for 1 year from the date of purchase, the product to be free from defects in workmanship or material (excluding recalibration) under normal use. The manufacturer's obligation under this warranty is limited to replacing, adjusting or repairing the unit if returned along with proof of purchase. This warranty is void if the unit has been tampered with, damaged or abused in any way.

To register your warranty online, go to
my.andatech.com.au

RECALIBRATION AND SERVICE

Andatech recommends the AlcoSense® Prodigy to be calibrated every 12 months or after 1500 uses or for Australian Standards requirement every 6 months.

For recalibration and technical support, please go to
my.andatech.com.au or contact:

Andatech Corporation Pty Ltd
Hot line: 1300 800 200
Website: www.alcosense.com.au

PRODUCT REGISTRATION

Visit **my.andatech.com.au** to register your warranty online and receive calibration reminders. Alternatively, complete this form and forward to the address below with a copy of your proof of purchase:

Andatech Corporation Pty Ltd
PO BOX 3038, Nunawading VIC 3131 Australia.

Product AlcoSense® Prodigy.....

Date of purchase

Place of purchase

Surname

Given name

Address

Suburb

Postcode State

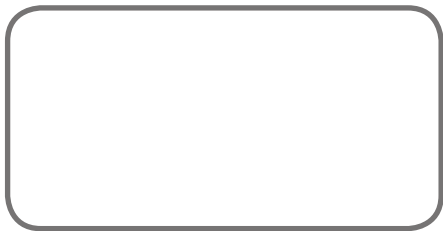
Contact no.

Email

AlcoSense®

 andatech®

Calibration Centre



Andatech Corporation Pty Ltd

PO Box 3038

Nunawading VIC 3131

1300 800 200

www.andatech.com.au

www.alcosense.com.au

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